JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 233 ISSUED AT 2200Z ON 21 AUG 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z TO 21/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 7566 (S08E23) PRODUCED A B8/SF FLARE AT 21/1544Z. SEVERAL OPTICALLY UNCORRELATED B-CLASS X-RAY BURSTS OCCURRED AS WELL. NEW REGION 7568 (N10E58) EMERGED AND SHOWED GRADUAL GROWTH DURING THE DAY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. REGION 7566 COULD PRODUCE AN ISOLATED C-CLASS SUBFLARE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. ACTIVE LEVELS OCCURRED AT SOME HIGH LATITUDE STATIONS NEAR MID-PERIOD.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MOSTLY UNSETTLED LEVELS. A WEAK, THOUGH FAVORABLY POSITIONED CORONAL HOLE, COULD CAUSE BRIEF PERIODS OF ACTIVE LEVELS AS WELL.
III. EVENT PROBABILITIES 22 AUG-24 AUG
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 21 AUG 095
PREDICTED 22 AUG-24 AUG 095/095/090
90 DAY MEAN 21 AUG 104
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 20 AUG 007/007
ESTIMATED AFR/AP 21 AUG 007/007
PREDICTED AFR/AP 22 AUG-24 AUG 010/010-015/015-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 22 AUG-24 AUG
A. MIDDLE LATITUDES
ACTIVE 25/25/25
MINOR STORM 10/10/10
MAJOR-SEVERE STORM 01/05/01
B. HIGH LATITUDES
ACTIVE 30/30/30
MINOR STORM 10/10/10
MAJOR-SEVERE STORM 05/05/05